

HEXAWARE

ASSIGNMENT 4

Task1

Database Design Design a SQL schema for a Courier Management System with tables for Customers, Couriers, Orders, and Parcels. Define the relationships between these tables using appropriate foreign keys. Requirements:

- Define the Database Schema
- Create SQL tables for entities such as User, Courier, Employee, Location, Payment
- Define relationships between these tables (one-to-many, many-to-many, etc.).
- Populate Sample Data
- Insert sample data into the tables to simulate real-world scenarios.

```
mysql> create database CourierMS;
Query OK, 1 row affected (0.03 sec)

mysql> use CourierMS;
Database changed
mysql> CREATE TABLE Users (
  ->   UserID INT PRIMARY KEY,
  ->   Name VARCHAR(255),
  ->   Email VARCHAR(255) UNIQUE,
  ->   Password VARCHAR(255),
  ->   ContactNumber VARCHAR(20),
  ->   Address TEXT
  -> );
Query OK, 0 rows affected (0.07 sec)

mysql> CREATE TABLE Couriers (
  ->   CourierID INT PRIMARY KEY,
  ->   SenderName VARCHAR(255),
  ->   SenderAddress TEXT,
  ->   ReceiverName VARCHAR(255),
  ->   ReceiverAddress TEXT,
  ->   Weight DECIMAL(5, 2),
  ->   Status VARCHAR(50),
  ->   TrackingNumber VARCHAR(20) UNIQUE,
  ->   DeliveryDate DATE
  -> );
Query OK, 0 rows affected (0.04 sec)

mysql> CREATE TABLE CourierServices (
  ->   ServiceID INT PRIMARY KEY,
  ->   ServiceName VARCHAR(100),
  ->   Cost DECIMAL(8, 2)
  -> );
Query OK, 0 rows affected (0.04 sec)

mysql> CREATE TABLE Employees (
  ->   EmployeeID INT PRIMARY KEY,
  ->   Name VARCHAR(255),
  ->   Email VARCHAR(255) UNIQUE,
  ->   ContactNumber VARCHAR(20),
  ->   Role VARCHAR(50),
  ->   Salary DECIMAL(10, 2)
  -> );
Query OK, 0 rows affected (0.03 sec)

mysql> CREATE TABLE Locations (
  ->   LocationID INT PRIMARY KEY,
  ->   LocationName VARCHAR(100),
  ->   Address TEXT
  -> );
Query OK, 0 rows affected (0.03 sec)

mysql> CREATE TABLE Payments (
  ->   PaymentID INT PRIMARY KEY,
  ->   CourierID INT,
  ->   LocationID INT,
  ->   Amount DECIMAL(10, 2),
  ->   PaymentDate DATE,
  ->   FOREIGN KEY (CourierID) REFERENCES Couriers(CourierID),
  ->   FOREIGN KEY (LocationID) REFERENCES Locations(LocationID)
  -> );
Query OK, 0 rows affected (0.04 sec)

mysql> |
```

Task 2: Select, Where Solve the following queries in the Schema that you have created above

1. List all customers:

```
mysql> select * from Users;
```

UserID	Name	Email	Password	ContactNumber	Address
1	John Doe	john.doe@example.com	password123	123-456-7890	123 Main St
2	Jane Smith	jane.smith@example.com	password456	987-654-3210	456 Oak St
3	Alice Johnson	alice.johnson@example.com	pass123	111-222-3333	789 Pine St
4	Bob Williams	bob.williams@example.com	pass456	555-444-3333	101 Elm St
5	Eva Davis	eva.davis@example.com	pass789	333-777-9999	456 Birch St
6	Michael Brown	michael.brown@example.com	abc123	777-888-5555	789 Cedar St
7	Olivia Jones	olivia.jones@example.com	abc456	999-888-7777	102 Maple St
8	David Miller	david.miller@example.com	abc789	777-666-5555	234 Oak St
9	Sophia Wilson	sophia.wilson@example.com	xyz123	111-333-5555	567 Pine St
10	William Taylor	william.taylor@example.com	xyz456	222-333-4444	890 Birch St

```
10 rows in set (0.00 sec)
```

2. List all orders for a specific customer:

```
mysql> SELECT UserID
-> FROM Users
-> WHERE Name = 'Jane Smith' AND Email = 'jane.smith@example.com';
```

UserID
2

```
1 row in set (0.00 sec)
```

3. List all couriers:

```
mysql> SELECT * FROM Couriers;
```

CourierID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate
1	Sender 1	Sender Address 1	Receiver 1	Receiver Address 1	2.50	In Transit	TN123456	2023-01-15
2	Sender 2	Sender Address 2	Receiver 2	Receiver Address 2	1.80	Delivered	TN789012	2023-01-20
3	Sender 3	Sender Address 3	Receiver 3	Receiver Address 3	3.20	In Transit	TN345678	2023-01-25
4	Sender 4	Sender Address 4	Receiver 4	Receiver Address 4	1.00	Pending	TN901234	2023-02-01
5	Sender 5	Sender Address 5	Receiver 5	Receiver Address 5	2.80	Delivered	TN567890	2023-02-05
6	Sender 6	Sender Address 6	Receiver 6	Receiver Address 6	4.00	In Transit	TN234567	2023-02-10
7	Sender 7	Sender Address 7	Receiver 7	Receiver Address 7	1.50	Delivered	TN890123	2023-02-15
8	Sender 8	Sender Address 8	Receiver 8	Receiver Address 8	2.00	Pending	TN456789	2023-02-20
9	Sender 9	Sender Address 9	Receiver 9	Receiver Address 9	2.20	Delivered	TN012345	2023-02-25
10	Sender 10	Sender Address 10	Receiver 10	Receiver Address 10	3.50	In Transit	TN678901	2023-03-01

```
10 rows in set (0.00 sec)
```

4. List all packages for a specific order:

```
mysql> SELECT *
-> FROM Couriers
-> WHERE CourierID = 4;
```

CourierID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate
4	Sender 4	Sender Address 4	Receiver 4	Receiver Address 4	1.00	Pending	TN901234	2023-02-01

1 row in set (0.00 sec)

5. List all deliveries for a specific courier:

```
mysql> SELECT *
-> FROM Courier
-> WHERE CourierID = 6;
```

CourierID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate
6	Sender6	SenderAddr6	Receiver6	ReceiverAddr6	3.70	Pending	TN123789	2023-06-20

1 row in set (0.00 sec)

6. List all undelivered packages:

```
mysql> SELECT *
-> FROM Courier
-> WHERE Status <> 'Delivered';
```

CourierID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate
1	Sender1	SenderAddr1	Receiver1	ReceiverAddr1	2.50	In Transit	TN123456	2023-01-15
3	Sender3	SenderAddr3	Receiver3	ReceiverAddr3	1.80	Pending	TN345678	2023-03-25
5	Sender5	SenderAddr5	Receiver5	ReceiverAddr5	2.00	In Transit	TN567890	2023-05-15
6	Sender6	SenderAddr6	Receiver6	ReceiverAddr6	3.70	Pending	TN123789	2023-06-20
8	Sender8	SenderAddr8	Receiver8	ReceiverAddr8	1.50	In Transit	TN890123	2023-08-10
9	Sender9	SenderAddr9	Receiver9	ReceiverAddr9	3.00	Pending	TN345679	2023-09-15

6 rows in set (0.00 sec)

7. List all packages that are scheduled for delivery today:

```
mysql> SELECT *
-> FROM Courier
-> WHERE DATE(2023-01-15) = CURDATE();
```

Empty set, 1 warning (0.00 sec)

8. List all packages with a specific status:

```
mysql> SELECT *
-> FROM Courier
-> WHERE Status = 'delivered';
```

CourierID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate
2	Sender2	SenderAddr2	Receiver2	ReceiverAddr2	3.20	Delivered	TN789012	2023-02-20
4	Sender4	SenderAddr4	Receiver4	ReceiverAddr4	4.50	Delivered	TN901234	2023-04-10
7	Sender7	SenderAddr7	Receiver7	ReceiverAddr7	2.30	Delivered	TN234567	2023-07-25
10	Sender10	SenderAddr10	Receiver10	ReceiverAddr10	2.80	Delivered	TN456789	2023-10-20

4 rows in set (0.00 sec)

9. Calculate the total number of packages for each courier.

```
mysql> SELECT CourierID, COUNT(*) AS TotalPackages
-> FROM Courier
-> GROUP BY CourierID;
```

CourierID	TotalPackages
1	1
2	1
3	1
4	1
5	1
6	1
7	1
8	1
9	1
10	1

10 rows in set (0.00 sec)

10. List all packages with a specific weight range:

```
mysql> SELECT *
-> FROM Courier
-> WHERE Weight BETWEEN 2.3 AND 4.5;
```

CourierID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate
1	Sender1	SenderAddr1	Receiver1	ReceiverAddr1	2.50	In Transit	TN123456	2023-01-15
2	Sender2	SenderAddr2	Receiver2	ReceiverAddr2	3.20	Delivered	TN789012	2023-02-20
4	Sender4	SenderAddr4	Receiver4	ReceiverAddr4	4.50	Delivered	TN001234	2023-04-10
6	Sender6	SenderAddr6	Receiver6	ReceiverAddr6	3.70	Pending	TN123789	2023-06-20
7	Sender7	SenderAddr7	Receiver7	ReceiverAddr7	2.30	Delivered	TN234567	2023-07-25
9	Sender9	SenderAddr9	Receiver9	ReceiverAddr9	3.00	Pending	TN345679	2023-09-15
10	Sender10	SenderAddr10	Receiver10	ReceiverAddr10	2.80	Delivered	TN456789	2023-10-20

7 rows in set (0.00 sec)

11. Retrieve employees whose names contain 'John'

```
mysql> SELECT *
-> FROM Employee
-> WHERE Name LIKE '%John%';
```

EmployeeID	Name	Email	ContactNumber	Role	Salary
1	John Doe	john.doe@example.com	123-456-7890	Manager	60000.00
3	Bob Johnson	bob.johnson@example.com	555-123-4567	Designer	45000.00

2 rows in set (0.01 sec)

12. Retrieve all courier records with payments greater than \$50.

```
mysql> SELECT c.*
-> FROM Courier c
-> JOIN Payment p ON c.CourierID = p.CourierID
-> WHERE p.Amount > 50;
Empty set (0.00 sec)
```

Task 3: GroupBy, Aggregate Functions, Having, Order By, where

14. Find the total number of couriers handled by each employee.

```
mysql> SELECT e.EmployeeID, e.Name AS EmployeeName, COUNT(c.CourierID) AS TotalCouriersHandled
-> FROM Employee e
-> LEFT JOIN Courier c ON e.EmployeeID = 5
-> GROUP BY e.EmployeeID, e.Name;
```

EmployeeID	EmployeeName	TotalCouriersHandled
1	John Doe	0
2	Jane Smith	0
3	Bob Johnson	0
4	Alice Brown	0
5	Charlie Davis	10
6	Eva White	0
7	David Miller	0
8	Sophia Wilson	0
9	James Lee	0
10	Olivia Adams	0

10 rows in set (0.00 sec)

15. Calculate the total revenue generated by each location

```
mysql> SELECT l.LocationID, l.LocationName, SUM(p.Amount) AS TotalRevenue
-> FROM Location l
-> LEFT JOIN Payment p ON l.LocationID = p.LocationID
-> GROUP BY l.LocationID, l.LocationName;
```

LocationID	LocationName	TotalRevenue
1	Office A	25.50
2	Warehouse 1	18.90
3	Branch X	35.75
4	Factory 5	30.60
5	Storefront Z	42.25
6	Facility Q	22.75
7	Hub 7	15.30
8	Center B	48.90
9	Depot Y	37.45
10	Station C	29.80

10 rows in set (0.01 sec)

16. Find the total number of couriers delivered to each location.

```
mysql> SELECT l.LocationID, l.LocationName, COUNT(c.CourierID) AS TotalCouriersDelivered
-> FROM Location l
-> LEFT JOIN Courier c ON l.LocationID = 5
-> WHERE c.Status = 'Delivered'
-> GROUP BY l.LocationID, l.LocationName;
```

LocationID	LocationName	TotalCouriersDelivered
5	Storefront Z	4

1 row in set (0.00 sec)

18. Find Locations with Total Payments Less Than a Certain Amount

```
mysql> SELECT
->     l.LocationID,
->     l.LocationName,
->     SUM(p.Amount) AS TotalPayments
-> FROM
->     Location l
-> LEFT JOIN
->     Payment p ON l.LocationID = p.LocationID
-> GROUP BY
->     l.LocationID, l.LocationName
-> HAVING
->     TotalPayments < 125000;

+-----+-----+-----+
| LocationID | LocationName | TotalPayments |
+-----+-----+-----+
| 1 | Office A | 25.50 |
| 2 | Warehouse 1 | 18.90 |
| 3 | Branch X | 35.75 |
| 4 | Factory 5 | 30.60 |
| 5 | Storefront Z | 42.25 |
| 6 | Facility Q | 22.75 |
| 7 | Hub 7 | 15.30 |
| 8 | Center B | 48.90 |
| 9 | Depot Y | 37.45 |
| 10 | Station C | 29.80 |
+-----+-----+-----+
10 rows in set (0.00 sec)
```

19. Calculate Total Payments per Location

```
mysql> SELECT
->     l.LocationID,
->     l.LocationName,
->     SUM(p.Amount) AS TotalPayments
-> FROM
->     Location l
-> LEFT JOIN
->     Payment p ON l.LocationID = p.LocationID
-> GROUP BY
->     l.LocationID, l.LocationName;

+-----+-----+-----+
| LocationID | LocationName | TotalPayments |
+-----+-----+-----+
| 1 | Office A | 25.50 |
| 2 | Warehouse 1 | 18.90 |
| 3 | Branch X | 35.75 |
| 4 | Factory 5 | 30.60 |
| 5 | Storefront Z | 42.25 |
| 6 | Facility Q | 22.75 |
| 7 | Hub 7 | 15.30 |
| 8 | Center B | 48.90 |
| 9 | Depot Y | 37.45 |
| 10 | Station C | 29.80 |
+-----+-----+-----+
10 rows in set (0.00 sec)
```

21. Retrieve couriers who have received payments totaling more than \$1000 after a certain date (PaymentDate > 'YYYY-MM-DD'):

```
mysql> SELECT
->     c.CourierID,
->     c.SenderName,
->     c.ReceiverName,
->     l.LocationID,
->     l.LocationName,
->     SUM(p.Amount) AS TotalPayments
-> FROM
->     Courier c
-> JOIN
->     Payment p ON c.CourierID = p.CourierID
-> JOIN
->     Location l ON p.LocationID = l.LocationID
-> WHERE
->     p.PaymentDate > '2023-05-25'
-> GROUP BY
->     c.CourierID, c.SenderName, c.ReceiverName, l.LocationID, l.LocationName
-> HAVING
->     TotalPayments > 1000;
Empty set (0.01 sec)
```

22. Retrieve locations where the total amount received is more than \$5000 before a certain date (PaymentDate > 'YYYY-MM-DD')

```
mysql> SELECT
->     l.LocationID,
->     l.LocationName,
->     SUM(p.Amount) AS TotalPayments
-> FROM
->     Location l
-> JOIN
->     Payment p ON l.LocationID = p.LocationID
-> JOIN
->     Courier c ON p.CourierID = c.CourierID
-> WHERE
->     p.PaymentDate < '2023-03-15'
-> GROUP BY
->     l.LocationID, l.LocationName
-> HAVING
->     TotalPayments > 5000;
Empty set (0.01 sec)
```

Task 4: Inner Join, Full Outer Join, Cross Join, Left Outer Join, Right Outer Join

23. Retrieve Payments with Courier Information

```
mysql> SELECT
->     p.PaymentID,
->     p.CourierID,
->     c.SenderName,
->     c.ReceiverName,
->     p.LocationID,
->     l.LocationName,
->     p.Amount,
->     p.PaymentDate
-> FROM
->     Payment p
-> JOIN
->     Courier c ON p.CourierID = c.CourierID
-> JOIN
->     Location l ON p.LocationID = l.LocationID;
```

PaymentID	CourierID	SenderName	ReceiverName	LocationID	LocationName	Amount	PaymentDate
1	1	Sender1	Receiver1	1	Office A	25.50	2023-01-05
2	2	Sender2	Receiver2	3	Branch X	35.75	2023-02-10
3	3	Sender3	Receiver3	2	Warehouse 1	18.90	2023-03-15
4	4	Sender4	Receiver4	5	Storefront Z	42.25	2023-04-20
5	5	Sender5	Receiver5	4	Factory 5	30.60	2023-05-25
6	6	Sender6	Receiver6	6	Facility Q	22.75	2023-06-30
7	7	Sender7	Receiver7	8	Center B	48.90	2023-07-05
8	8	Sender8	Receiver8	7	Hub 7	15.30	2023-08-10
9	9	Sender9	Receiver9	9	Depot Y	37.45	2023-09-15
10	10	Sender10	Receiver10	10	Station C	29.80	2023-10-20

10 rows in set (0.01 sec)

24. Retrieve Payments with Location Information.

```
mysql> SELECT
->     p.PaymentID,
->     p.CourierID,
->     p.Amount,
->     p.PaymentDate,
->     l.LocationID,
->     l.LocationName,
->     l.Address
-> FROM
->     Payment p
-> JOIN
->     Location l ON p.LocationID = l.LocationID;
```

PaymentID	CourierID	Amount	PaymentDate	LocationID	LocationName	Address
1	1	25.50	2023-01-05	1	Office A	123 Main St, Cityville, State, Zipcode
2	2	35.75	2023-02-10	3	Branch X	789 Maple St, Villagetown, State, Zipcode
3	3	18.90	2023-03-15	2	Warehouse 1	456 Oak St, Townsville, State, Zipcode
4	4	42.25	2023-04-20	5	Storefront Z	202 Elm St, Riverside, State, Zipcode
5	5	30.60	2023-05-25	4	Factory 5	101 Pine St, Hamletville, State, Zipcode
6	6	22.75	2023-06-30	6	Facility Q	303 Cedar St, Mountainville, State, Zipcode
7	7	48.90	2023-07-05	8	Center B	505 Redwood St, Valleytown, State, Zipcode
8	8	15.30	2023-08-10	7	Hub 7	404 Birch St, Lakeside, State, Zipcode
9	9	37.45	2023-09-15	9	Depot Y	606 Walnut St, Beachville, State, Zipcode
10	10	29.80	2023-10-20	10	Station C	707 Spruce St, Hillside, State, Zipcode

10 rows in set (0.00 sec)

25. Retrieve Payments with Courier and Location Information


```
mysql> SELECT
-> p.PaymentID,
-> p.CourierID,
-> c.SenderName,
-> c.ReceiverName,
-> p.Amount,
-> p.PaymentDate,
-> l.LocationID,
-> l.LocationName,
-> l.Address
-> FROM
-> Payment p
-> JOIN
-> Courier c ON p.CourierID = c.CourierID
-> JOIN
-> Location l ON p.LocationID = l.LocationID;
```

PaymentID	CourierID	SenderName	ReceiverName	Amount	PaymentDate	LocationID	LocationName	Address
1	1	Sender1	Receiver1	25.50	2023-01-05	1	Office A	123 Main St, Cityville, State, Zipcode
2	2	Sender2	Receiver2	35.75	2023-02-10	3	Branch X	789 Maple St, Villagetown, State, Zipcode
3	3	Sender3	Receiver3	18.90	2023-03-15	2	Warehouse 1	456 Oak St, Townsville, State, Zipcode
4	4	Sender4	Receiver4	42.25	2023-04-20	5	Storefront Z	202 Elm St, Riverside, State, Zipcode
5	5	Sender5	Receiver5	30.60	2023-05-25	4	Factory 5	101 Pine St, Hamletville, State, Zipcode
6	6	Sender6	Receiver6	22.75	2023-06-30	6	Facility Q	303 Cedar St, Mountainville, State, Zipcode
7	7	Sender7	Receiver7	48.90	2023-07-05	8	Center B	505 Redwood St, Valleytown, State, Zipcode
8	8	Sender8	Receiver8	15.30	2023-08-10	7	Hub 7	404 Birch St, Lakeside, State, Zipcode
9	9	Sender9	Receiver9	37.45	2023-09-15	9	Depot Y	606 Walnut St, Beachville, State, Zipcode
10	10	Sender10	Receiver10	29.80	2023-10-20	10	Station C	707 Spruce St, Hillside, State, Zipcode

10 rows in set (0.00 sec)

26. . List all payments with courier details

```
mysql> SELECT
-> p.PaymentID,
-> p.CourierID,
-> c.SenderName,
-> c.ReceiverName,
-> p.Amount,
-> p.PaymentDate
-> FROM
-> Payment p
-> JOIN
-> Courier c ON p.CourierID = c.CourierID;
```

PaymentID	CourierID	SenderName	ReceiverName	Amount	PaymentDate
1	1	Sender1	Receiver1	25.50	2023-01-05
2	2	Sender2	Receiver2	35.75	2023-02-10
3	3	Sender3	Receiver3	18.90	2023-03-15
4	4	Sender4	Receiver4	42.25	2023-04-20
5	5	Sender5	Receiver5	30.60	2023-05-25
6	6	Sender6	Receiver6	22.75	2023-06-30
7	7	Sender7	Receiver7	48.90	2023-07-05
8	8	Sender8	Receiver8	15.30	2023-08-10
9	9	Sender9	Receiver9	37.45	2023-09-15
10	10	Sender10	Receiver10	29.80	2023-10-20

10 rows in set (0.01 sec)

27. Total payments received for each courier

```
mysql> SELECT
->     c.CourierID,
->     c.SenderName,
->     c.ReceiverName,
->     SUM(p.Amount) AS TotalPaymentsReceived
-> FROM
->     Courier c
-> JOIN
->     Payment p ON c.CourierID = p.CourierID
-> GROUP BY
->     c.CourierID, c.SenderName, c.ReceiverName;
```

CourierID	SenderName	ReceiverName	TotalPaymentsReceived
1	Sender1	Receiver1	25.50
2	Sender2	Receiver2	35.75
3	Sender3	Receiver3	18.90
4	Sender4	Receiver4	42.25
5	Sender5	Receiver5	30.60
6	Sender6	Receiver6	22.75
7	Sender7	Receiver7	48.90
8	Sender8	Receiver8	15.30
9	Sender9	Receiver9	37.45
10	Sender10	Receiver10	29.80

10 rows in set (0.01 sec)

28. List payments made on a specific date.

```
mysql> SELECT
->     PaymentID,
->     CourierID,
->     LocationID,
->     Amount,
->     PaymentDate
-> FROM
->     Payment
-> WHERE
->     PaymentDate = '2023-02-10';
```

PaymentID	CourierID	LocationID	Amount	PaymentDate
2	2	3	35.75	2023-02-10

1 row in set (0.00 sec)

29. Get Courier Information for Each Payment

```
mysql> SELECT
->     p.PaymentID,
->     p.CourierID,
->     c.SenderName,
->     c.ReceiverName,
->     p.Amount,
->     p.PaymentDate
-> FROM
->     Payment p
-> JOIN
->     Courier c ON p.CourierID = c.CourierID;
```

PaymentID	CourierID	SenderName	ReceiverName	Amount	PaymentDate
1	1	Sender1	Receiver1	25.50	2023-01-05
2	2	Sender2	Receiver2	35.75	2023-02-10
3	3	Sender3	Receiver3	18.90	2023-03-15
4	4	Sender4	Receiver4	42.25	2023-04-20
5	5	Sender5	Receiver5	30.60	2023-05-25
6	6	Sender6	Receiver6	22.75	2023-06-30
7	7	Sender7	Receiver7	48.90	2023-07-05
8	8	Sender8	Receiver8	15.30	2023-08-10
9	9	Sender9	Receiver9	37.45	2023-09-15
10	10	Sender10	Receiver10	29.80	2023-10-20

10 rows in set (0.00 sec)

30. Get Payment Details with Location

```
mysql> SELECT
->     p.PaymentID,
->     p.CourierID,
->     p.LocationID,
->     l.LocationName,
->     l.Address,
->     p.Amount,
->     p.PaymentDate
-> FROM
->     Payment p
-> JOIN
->     Location l ON p.LocationID = l.LocationID;
```

PaymentID	CourierID	LocationID	LocationName	Address	Amount	PaymentDate
1	1	1	Office A	123 Main St, Cityville, State, Zipcode	25.50	2023-01-05
2	2	3	Branch X	789 Maple St, Villagetown, State, Zipcode	35.75	2023-02-10
3	3	2	Warehouse 1	456 Oak St, Townsville, State, Zipcode	18.90	2023-03-15
4	4	5	Storefront Z	202 Elm St, Riverside, State, Zipcode	42.25	2023-04-20
5	5	4	Factory 5	101 Pine St, Hamletville, State, Zipcode	30.60	2023-05-25
6	6	6	Facility Q	303 Cedar St, Mountainville, State, Zipcode	22.75	2023-06-30
7	7	8	Center B	505 Redwood St, Valleytown, State, Zipcode	48.90	2023-07-05
8	8	7	Hub 7	404 Birch St, Lakeside, State, Zipcode	15.30	2023-08-10
9	9	9	Depot Y	606 Walnut St, Beachville, State, Zipcode	37.45	2023-09-15
10	10	10	Station C	707 Spruce St, Hillside, State, Zipcode	29.80	2023-10-20

10 rows in set (0.00 sec)

